

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Ave., Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

WELL API NO. 30-025-09641 ✓
5. Indicate Type of Lease STATE ☐ FEE ☒ ✓
6. State Oil & Gas Lease No. 306443
7. Lease Name or Unit Agreement Name Cooper Jal Unit ✓
8. Well Number 135 ✓
9. OGRID Number 263848 ✓
10. Pool name or Wildcat Jalmat; T-Y-7R: Langlie Mattix; 7R-Q-G ✓

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐ Injector ☒

2. Name of Operator
Resaca Operating Company ✓

3. Address of Operator
2509 Maurice Road, Odessa, TX 79763

4. Well Location
Unit Letter O : 990 feet from the South line and 1980 feet from the East line
Section 24 Township 24S Range 36E NMPM Lea County ✓

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3312' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Clean Out & Acidize Injector ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1.) MIRU Pulling Unit
- 2.) POOH w/ 2 3/8" tubing and 5 1/2" x 2 3/8" Baker Model AD-1 Tension Packer.
- 3.) RIH w/ 4 3/4" Bit & 6- 3 1/2" Drill Collars on 2 7/8" work string.
- 4.) Clean out well to 3530', push CIBP to TD @ 3650'.
- 5.) Acidize perfs and OH with approximately 10,000 gallons 90/10 Mixture of NEFE 15% Acid/ Xylene.
- 6.) POOH w/ 2 7/8" work string.
- 7.) RIH w/ 5 1/2" x 2 3/8" Baker Model AD-1 Tension Packer; circulate annulus with inhibited packer fluid
- 8.) Set Packer within 100' of top perf @ 3019'; test annulus to 500 psig for 30 minutes; Pull chart for NMOCD.
- 9.) Place well on Injection at approximately 300 bwpd; Maximum permitted injection pressure is 830 psig.
- 10.) RDMO Pulling Unit.

Condition of Approval: Notify OCD Hobbs office 24 hours prior of running MIT Test & Chart

Per Underground Injection Control Program Manual
11.6 C Packer shall be set within or less than 100 feet of the uppermost injection perfs or open hole.

Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Melanie Reyes TITLE Engineer Assistant DATE 12/29/10

Type or print name Melanie Reyes E-mail address: melanie.reyes@resacaexploitation.com PHONE: (432)580-8500

For State Use Only

APPROVED BY: [Signature] TITLE STAFF MGR DATE 1-6-2011

Conditions of Approval (if any):

WELLBORE SCHEMATIC AND HISTORY

CURRENT COMPLETION SCHEMATIC		LEASE NAME		Cooper Jal Unit		WELL NO 135 WIW											
Surface Csg Hole Size: 11 in Csg. Size: 8 5/8 in Set @: 290 ft Sxs Cmt: 125 Circ: Yes TOC @: surf TOC by: circ		STATUS: Active		Water Injector		API# 30-025-09641											
		LOCATION: 990 FSL & 1980 FEL, Sec 24, T - 24S, R - 36E; Lee County, New Mexico															
		SPUD DATE: 02/14/54		TD 3650		KB 3,318'		DF									
		INT. COMP. DATE: 03/01/54		PBTD 3530		GL 3,312'											
TOC @ 2728' By CBL		ELECTRIC LOGS: Micro Laterolog (2-23-54 Schlumberger) GR-CNL (8-25-86 Dresser Atlas) GR-VDR-CBL (8-25-86 Dresser Atlas)															
		GEOLOGICAL DATA CORES, DST'S or MUD LOGS:															
		HYDROCARBON BEARING ZONE DEPTH TOPS: Yates @ 3017' 7-Rivers @ 3236' Queen @ 3609'															
		CASING PROFILE SURF. 8 5/8" - 28#, J-55 set @ 290' Cmt'd w/125 sxs - circ cmt to surf. PROD. 5 1/2" - 14#, J-55 set @ 3472' Cmt'd w/400 sxs - TOC @ 2728' from surf by cement bond log.															
TOC @ 2728' By CBL		CURRENT PERFORATION DATA CSG. PERFS: OPEN HOLE : 3472 - 3650' Perfs Yates (Jalmat): 3019', 22, 24, 26, 28, 30, 32, 59, 62, 70, 72, 74, 76, 82, 93, 97, 3102', 06, 09, 16, 27, 30, 38, 45, 51, 56, 65, 70, 76, 83, 90, 94, 3201', 03, w/ 2 spf (84 holes total) Perf'd 7-Rivers (Jalmat) f/ 3285' - 3302' & 3358 - 62' w/ 1 spf (21 holes total)															
		TUBING DETAIL 4/5/1999 ROD DETAIL															
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Length (ft)</th> <th style="width: 70%;">Detail</th> </tr> </thead> <tbody> <tr> <td>6 KB</td> <td></td> </tr> <tr> <td>2923 90</td> <td>2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.</td> </tr> <tr> <td>3 1</td> <td>5 1/2" x 2 3/8" Baker Model AD-1 packer</td> </tr> <tr> <td>2932 btm</td> <td></td> </tr> </tbody> </table>						Length (ft)	Detail	6 KB		2923 90	2 3/8" 4.7#, CL, J-55, 8rd EUE tbg.	3 1	5 1/2" x 2 3/8" Baker Model AD-1 packer	2932 btm	
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WELL HISTORY SUMMARY 1-Mar-54 Initial completion interval: 3472 - 3575' (7 RVRS/Queen OH). Natural completion. IP= 51 bopd, 0 bwpd, & 72 Mcfgpd (flowing) 9-Sep-54 Frac w/ 4,000 gals lse oil & 4,000#s sand. 15-Jun-73 Placed well on rod pump. 8-Oct-74 C/O fill to 3575'. Jetwash OH 3472 - 3575' 11-Feb-75 Tagged for fill - No fill. 29-Aug-86 C/O OH 3480'-3575' (95' fill). Deepened to 3650'. Ran CBL, TOC @ 2728'. Acdd'd OH (3472'-3650') w/2,000 gals; Frac'd w/ 34,000 gals X-L gel carrying 80,000#s 12/20 sand in 2 equal stages. Max sand conc. of 7 ppg. C/O to 3650'. 30-Sep-86 Perf (Jalmat) f/ 3019'-3210' w/ 2 spf, (84 holes total) & 3285 - 3362' w/ 1 spf (21 holes total). Acdd'd all open perfs w/ 2,000 gals; Frac w/ 30,000 gals X-L gel carrying 50,000#s 12/20 sand in 2 equal stages using RS diversion. Max sand concentration 7 ppg. C/O to 3650'. Lost RBP in OH. Top @ 3530'. CONVERTED TO COMINGLED DOWNHOLE INJECTOR. (Jalmat & Langlie Mattix) 13-Feb-87 C/O OH fill from 3472 - 3524' (52' fill). PBTD @ 3524'. 9-Sep-87 C/O OH fill from 3495 - 3524' (29' fill). PBTD @ 3524'. 22-Jul-88 C/O OH fill from 3475 - 3524' (49' fill). PBTD @ 3524'. 01-Oct-93 Administration Order No-648. Approved Order No. R2019 & R-4020 for Waterflood Expansion. 15-Nov-93 Replaced 2 jts tbg & rod pmp. Placed well on production. 9-Jan-94 Ran 91 jts - 2 3/8" tbg & pkr. Set pkr @ 2956'. 05-Dec-94 LD rods & pmp (junk). C/O to 3524' (scale & formation), Tagged solid @ 3524'. Acdd'd perfs & OH w. 8,400 gals 20% NEFE HC acid mixed w/ 170 gals xylene using 5,600#s RS generating 8 stages. AIR=3 bpm PM=500-126 psi. ISIP= 280 psig. P5min= vacuum. Ran 2 3/8" CL tbg & pkr. Set pkr @ 2956'. Inject @ 933 bwpd, TP=vacuum. 02-Apr-99 Reset pkr @ 2925'. Tst csg & pkr @ 500 psi. OK. Initiate injection @ 580 bwpd, TP=580 psi. 14-Feb-02 Tag TD using SL unit (1 1/4" x 5' sinker bar). Tag fill @ 3524' (137' of fill) 07-Nov-05 RIH with 1 1/4" x 5' sinker bar and tagged at 3,265'. 24-Mar-08 POOH w/ 2 3/8" IPC tbg & 5 1/2" AD-1 PKR. RIH w/ 4 3/4" bit & DCs, tagged @ 3157'. Cleaned out to 3530'. RIH w/ 5 1/2" AD-1 IPC tbg. Circulated w 70 bbls 2% KCl. Set PKR @ 2923', press annulus to 420 psig for 30 minutes. 10-Jul-08 Acid treat Jalmat & langlie Mattix with 3,096 gals 15% NEFE HCl. AIR= 4.5 bpm Pavg= 1590 psi, ISIP= 920 psi. Prior Rate/Press: 389 bpd @ 949 psi. After Rate/Press: 485 bpd @ 790 psi. 27-Apr-09 RU Gray Wireline. Tagged @ 2,962' w/ logging tool. RD wireline. Place well on injection. Rate/Press: 441 bwpd/904#.																	
Production Csg. Hole Size: 7 7/8 in Csg. Size: 5 1/2 in Set @: 3472 ft Sxs Cmt: 400 Circ: No TOC @: 2728 f / surf TOC by: CBL		pkrs @ 2923' Jalmat Yates @ 3017' 3019 - 3097' 3102 - 3194' 3201, 03, & 10' 7-R @ 3236' 3285 - 3302' 3358 - 3362' Langlie Mattix OH Interval 3472 - 3650'															
		Fill at 3,265'															
		Fill at 3524' CIBP pushed into OH to 3530'															
		OH ID 4 3/4 in Q @ 3609'															
PBTD: 3530 ft TD: 3650 ft		PREPARED BY: Larry S. Adams Domingo Carrizales UPDATED: 20-May-09															